

1695. 163

*Apollo Anglicanus,*  
THE  
ENGLISH APOLLO:

Assisting

All Persons in the Right Understand-  
ing of this Years Revolution, as also of  
things past, present, and to come.

With necessary Tables plain and useful

A twofold Kalendar, viz. *Julian* or *English*,

*Gregorian* or *Forain* Computations, more plain and  
full than any other, with the Rising and Set-  
ting of the Sun, the nightly Rising and Setting of the  
Moon, and also her Southing, Exactly calculated  
for every day. Of general use for most men.

Being the Third after *Bissexile* or *Leap* Year.

To which is added the Moons application to the  
fixed Stars: With the Calculation of the Eclipses: also  
Rules and Tables for the measuring of Timber: with many  
other things both pleasant, useful and necessary.

Calculated according to Art, and fitted to the Me-  
ridian of *Leicester*, whose Latitude is 52 Degrees, 41 Mi-  
nutes. Exactly fitting all the middle Counties of *England*,  
and without sensible Error the whole Kingdom.

By RICHARD SAUNDER

Student in the Physical and Mathematical Sciences.

LONDON Printed by M. CLARKE for  
the Company of STATIONERS. 1695.

The Julian or old Ac-  
count used in Engl. { 1625. } The Gregorian or New  
Stile used beyond Sea.

	5	The Golden Number		5
	7	The Dominical Letter		12
	23	The Epact.		15
February	3	Shrove-Sunday	February	13
May	2	Ascension-Day.	May	11
May	12	Whit-Sunday.	May	21
December	1	Advent-Sunday.	November	27

A Table of the four Terms, and their Returns, &c.

Hilary-Term begins January 23. ends February 10.

Essoin-days.	Except.	Ret.	Brev.	Appear.	
Octab. Hillar. Jan. 21	January 22	Jan. 22	Jan. 22	Jan. 23	23
Quind. Hillar. Jan. 28	January 29	Jan. 29	Jan. 29	Jan. 30	30
Craftin. Purif. Feb. 4	February 5	Febr. 5	Febr. 5	Febr. 6	6
Octab. Purif. Feb. 9	February 11	Febr. 11	Febr. 11	Febr. 12	12

Easter Term begins April 10. ends May 6.

Quind. Pasch. April 8	April 9	April 9	April 9	April 10	10
Tres Pasch. April 15	April 16	April 16	April 16	April 17	17
Mens. Pasch. April 22	April 23	April 23	April 23	April 24	24
Quinq. Pasch. April 29	April 30	May 30	May 30	May 1	1
Craft. Ascens. May 3	May 4	May 4	May 4	May 6	6

Trinity Term begins May 24. ends June 12.

Craft. Trin. May 20	May 21	May 22	May 22	May 24	24
Octab. Trin. May 27	May 28	May 28	May 28	May 29	29
Quind. Trin. June 3	June 4	June 4	June 4	June 5	5
Tres. Trin. June 10	June 11	June 11	June 11	June 12	12

Michaelmas Term begins Octob. 23. ends Novemb. 28.

Tres Mich. Octob. 21	Octob. 22	Octob. 22	October 23	23
Mens. Mich. Octob. 28	Octob. 29	Octob. 29	October 30	30
Craft. Anim. Nov. 4	Novemb. 5	Novemb. 5	Novemb. 6	6
Craft. Mart. Nov. 12	Novemb. 13	Novemb. 14	Novemb. 15	15
Octab. Mart. Nov. 18	Novemb. 19	Novemb. 20	Novemb. 21	21
Quind. Mart. Nov. 25	Novemb. 26	Novemb. 27	Novemb. 28	28

# A Table of the **KINGS** and **QUEENS** of England since the Conque

Kings and Queens names	Born Anno	Began to reign Y. M. D.	Reigned Since their Reigns ended.	Buried
William 1	1029	1066, Oct. 14	20 11 1, 1088, Septem. 9	Caen
William 2	1056	1087, Sep. 9	12 11 1, 1095, August 2	Winch
Henry 1	1068	1100, Aug. 2	35 4 1, 1135, Decem. 1	Reding
Stephen	1105	1135, Dec. 1	18 11 1, 1154, Octob. 12	Fevers

## The Saxon Line restor'd.

Henry 2	1132	1154, Oct. 12	35 8 1, 1189, July 6	Founden
Richard 1	1155	1189, July 6	29 9 1, 1199, April 6	Founden
John	1165	1199, April 6	17 6 1, 1216, Octob. 19	Worcest
Henry 3	1207	1216, Oct. 19	56 1 1, 1272, Nov. 16	Westmi
Edward 1	1239	1272, No. 16	34 8 1, 1290, July 7	Westmi
Edward 2	1283	1307, July 7	19 6 1, 1327, Jan. 25	Glocest
Edward 3	1312	1327, Jan. 25	51 5 1, 1377, June 21	Westmi
Richard 2	1366	1377, Jun. 21	22 3 1, 1399, Sept. 29	Westmi

## The Line of Lancaster.

Henry 4	1367	1399, Sep. 29	13 6 1, 1413, Mar. 20	Canter
Henry 5	1384	1413, Mar. 20	9 5 1, 1422, Aug. 31	Westmi
Henry 6	1421	1422, Aug. 31	38 6 1, 1461, Mar. 4	Windfor

## The Line of York.

Edward 4	1442	1460, Mar. 4	23 1 1, 1483, April 9	Winche
Edward 5	1471	1483, Apr. 9	0 1 1, 1483, June 18	Not kno
Richard 3	1448	1483, Jun. 18	2 2 1, 1495, Aug. 22	Leicest.

## The Families United.

Henry 7	1455	1485, Aug. 22	23 8 1, 1509, April 24	Westmin
Henry 8	1491	1509, Apr. 22	37 10 1, 1547, Jan. 28	Windfor
Edward 6	1537	1547, Jan. 28	6 5 1, 1553, Jun. 6	Westmin.
Qu. Mary	1518	1553, Jun. 6	5 4 1, 1558, Nov. 17	Westmin.
Qu. Elizab.	1533	1558, No. 17	44 4 1, 1603, March 24	Westmin.

## The Union of the two Kingdoms.

James 1	1566	1602, Ma. 24	22 0 7, 1625, March 27	Westmin
Charles 1	1600	1625, Ma. 27	23 11 1, 1649, Janu. 30	Windfor
Charles 2	1630	1649, Jan. 30	36 0 1, 1688, Febr. 6	Westmin.
James 2	1633	1688, Feb. 6	1 0 6, Febr. 13	
William & Mary	1650	1688, Feb. 13	Whom God grant long to live.	

You here may see a Race of Monarchs great,  
Each for a time did fill the Royal Seat,  
The left the Throne: You see it fill'd again;  
Pray God that these long time o'er us may reign,  
Their Subjects multiply, their Foes decrease,  
Their Kingdoms have Prosperity and Peace. *Omnis potestas a Deo est*

**A Table shewing the true hour and minute of the Moon coming to the South every day the first six Months of this Year, 1695.**

Days	Jan.		Febr.		March		April		May		June	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	8	M. 12	9	M. 54	8	M. 46	10	M. 20	10	M. 42	11	M. 50
2	9	12	10	55	9	44	11	8	11	30	12	A. 38
3	10	16	11	56	10	40	11	56	12	A. 18	1	26
4	11	21	12	A. 50	11	34	12	A. 45	1	7	2	14
5	12	A. 26	1	40	12	A. 22	1	34	1	56	3	4
6	1	22	2	30	1	M. 11	2	24	2	45	3	48
7	2	16	3	17	2	0	3	14	3	34	4	32
8	3	5	4	4	2	48	4	3	4	24	5	16
9	3	54	4	50	3	37	4	50	5	10	6	0
10	4	42	5	30	4	25	5	38	5	55	6	42
11	5	28	6	35	5	14	6	25	6	40	7	25
12	6	13	7	14	6	2	7	12	7	26	8	12
13	6	57	8	3	6	50	8	0	8	12	9	7
14	7	44	8	00	7	39	8	48	8	56	10	10
15	8	30	9	37	8	26	9	35	9	44	11	13
16	9	18	10	24	9	13	10	22	10	38	12	16
17	10	6	11	11	10	0	11	9	11	36	OM. 16	
18	10	54	11	58	10	48	11	56	12	34	1	17
19	11	44	12	45	11	36	12	49	OM. 34		2	16
20	12	28	OM. 45		12	24	OM. 49		1	37	3	14
21	OM. 28		1	32	OM. 24		1	47	2	40	4	6
22	1	14	2	20	1	12	2	46	3	38	4	56
23	2	0	3	7	2	0	3	46	4	36	5	44
24	2	44	3	51	2	52	4	47	5	26	6	41
25	3	27	4	48	3	50	5	48	6	14	7	18
26	4	14	5	49	4	52	6	45	7	2	8	6
27	5	0	6	44	5	52	7	35	7	50	8	54
28	5	54	7	44	6	50	8	22	8	38	9	42
29	6	50			7	48	6	8	9	26	10	30
30	7	52			8	42	9	55	10	14	11	18
31	8	54			9	32			11	2		



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The Moons Southing for every day of the last  
Six Months of this Year 1695. 16

Days.	July	August	Septemb.	October	Novemb.	Decemb.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	12 A. 6	1 A. 59	2 A. 0	2 A. 42	4 A. 30	4 A. 55
2	12 52	1 40	2 50	3 38	5 23	5 44
3	1 37	2 24	3 41	4 37	6 16	6 31
4	2 22	3 9	4 36	5 34	7 8	7 21
5	3 8	4 54	5 33	6 27	7 55	8 9
6	3 54	5 43	6 31	7 25	8 44	8 58
7	4 41	6 37	7 29	8 18	9 33	9 48
8	5 28	6 31	8 27	9 11	10 23	10 48
9	6 14	7 31	9 25	10 1	11 15	11 39
10	7 0	8 30	10 18	10 51	12 6	12 20
11	7 48	9 33	11 12	11 41	0 M. 6	0 M. 20
12	8 48	10 32	12 4	12 32	1 3	1 15
13	9 51	11 29	12 57	0 M. 31	1 53	1 57
14	10 56	12 25	0 M. 57	1 29	2 44	2 38
15	12 0	0 M. 25	1 59	2 23	3 28	3 21
16	0 M. 0	1 10	2 46	3 14	4 15	4 2
17	1 0	2 12	3 36	4 3	4 56	4 44
18	1 54	3 3	4 27	4 52	5 38	5 26
19	2 46	3 53	5 16	5 40	6 19	6 10
20	3 38	4 44	6 6	6 23	7 1	6 56
21	4 26	5 34	6 54	7 5	7 47	7 47
22	5 13	6 25	7 40	7 49	8 32	8 40
23	6 0	7 14	8 23	8 32	9 23	9 39
24	6 48	8 3	9 6	9 18	10 14	10 43
25	7 35	8 51	9 51	10 1	11 11	11 40
26	8 23	9 36	10 34	10 50	0 A. 11	0 A. 41
27	9 11	10 18	11 17	11 42	1 13	1 38
28	10 0	11 3	0 A. 6	0 A. 39	2 11	2 34
29	10 48	11 45	0 55	1 33	3 9	3 25
30	11 35	12 A. 29	1 46	2 32	4 2	4 15
31	12 A. 22	1 16		3 31		5 5

To find the time of High-water in most Coasts of England.

**F**irst seek the Moons Southing on the foregoing Table for your day, for then you may conclude it High-water at Southampton, Quinborough, and Portsmouth, for there the South and North Moons make a High-water: But when you desire the time of full sea in any of the following Coasts in the ensuing Table, find the Name of the place, and see how many Hours and Minutes be annexed thereunto in the Column under H. M. which added to the time of the Moons coming to South, gives you the time of High-water for the place required.

A Tide-Table, with the Names of the Havens.

	H. M.
Rochester, Malden, Aberdeen,	6 45
Gravesend, Romney, Ramkins,	1 30
London, Tinnmouth, Hartlepool,	3 0
Frist, Leith, Dunbar, Narbon,	4 30
Newcastle, Falmouth, Humber,	5 15
Lyn, Antwerp, Plymouth, Hull,	6 0
Bristol, Lanion, Foulness,	6 45
Milford, Bridgwater, North-coast,	7 30
Portland, Peterport, Hartflew,	8 51
Dover, Tarmouth, Harwich, Dublin,	10 30
Callice, Rye, Winchelsey, Calshot,	11 15

Example.

The 10. of June this Year it is required to know the time of High-water at London: By the Tab. of the Moons Southing, over against the 10. of June. I find the Moon South at 6 Hours 41 Minutes in the Afternoon. Then in the preceding Tide-Table against London, I find 3 Hours 0 Minutes, which added to 6 Hours 41 Minutes, makes 9 Hours 41 Minutes, being the time of High-water at London the 10. day of June in the Afternoon. So of any other.

**NOTE,** That the Tides floweth one point of the Compass more at the New and Full of the Moon, than at the First and Last Quarters: as also the Latitude of the Moon and Winds, may alter it an hour sooner or later.

*Directions for the subsequent Diary or Almanack.*

**I**N the first Column to the left hand, on the left-hand Page, you have the Numerical Figures of the days of the Month.

In the second Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as also the Moons application to the fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious eye and understanding.

In the fourth Column the Moons place in the Zodiac every day at noon.

In the fifth Column the Rising and Setting of the Moon; with respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets; with the general state of the Weather.

In the first Column on the Right-hand Page you have the English Account.

In the second Column you have the Roman Account.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have Poetical Stories of the fixed Stars and Constellations, shewing the reason why such various Figures are fancied to be placed in Heaven.

The sixth, seventh, and eighth Columns, the utmost to the Right hand, shew you the daily Rising and Setting of the Sun.

On the top of the left hand Page is set the New and Full Moons, with the First and Last Quarters.

On the top of the right hand Page is set the Rising, South-ing and Setting of the Planets.

# January hath xxxl. days.

- New Moon the 5 day at 2 in the morn.
- First quarter the 12 day, at 4 in the morning.
- Full Moon the 20 day, at 9 morning.
- Last Quarter the 27 day, at 11 night.

1	a	New-years day	sagit.	13	M.	6	at the beginning
2	b	n. Dex. h. Op.	sagit.	18		12	sharp frosty air,
3	c	n. luc. Lyra	apr.	13		18	but about the 5
4	d	n. caud. Vult.	capr.	6		16	day yelding
5	e	n. l. in ma. ~	aqua.	18	ew	●	with drifling
6	f	Epiphany	aqu.	16	A.	32	rain or mists,
7	g	n. Fomahant	pifces	17		52	afterwa. ♂ ☉ ♂
8	a	n. Marchab	pifc.	19		12	with windy &
9	b	Sol in Aquarius	pifc.	29	10	32	stormy weather
10	c	h. w. 9	aries	12	11	54	then 'tis hop'd
11	d	h. s. 24 R	aries	23	1	8	we may ♂ h. ♀.
12	e	♂ ~ 2	taur.	7	M.	8	have seasonable
13	f	1 Sun. past Eph	taur.	19	2	16	weath. for some
14	g	♀ ~ 3	gem.	13		16	days. But about
15	a	♀ w. 15	gem.	13	1	1	the ♂ ♂ ♀. 16
16	b	n. dex. hu. Au.	gem.	25	5	4	or 17 days, win-
17	c	n. r. Syrius	canc.	7	6	0	dy and stormy
18	d	n. r. Pollux	canc.	19	5	50	weather is ex-
19	e	n. r. Alenos	leo	25	7	30	pected, & about
20	f	Servatage	leo	13		●	the full Moon
21	g	S. Agnes	leo	6	A.	1	sharp frosty air,
22	a	n. r. Terg	leo.	virgo	7	48	& so continues
23	b	Term. begins	virgo	20		22	♂ ☉ ♀. seaso-
24	c	n. Vindemiati.	libr.	3	10	5	nab. weather till
25	d	Conver. & Pa.	libr.	16	12	2	about the 24th.
26	e	n. r. Alifa	libra	29	0	M. 24	day, then be-
27	f	acriage	scorp.	12	1	30	gins windy and
28	g	n. r. Car. Scorp.	scorp.	26	2	20	stormy weather;
29	a	n. dex. hu. Op.	sagit.	10	3	10	which m. y hold
30	b	n. r. eba. i. Mars	sagit.	25	4	0	♂ ♀ to the
31	c	n. r. luc. Lyra	capr.	10	4	5	♂ ☉ ♀ end.

R. H. 1

Moons Setting.

Noo rising

# JANUARY. 1695. 16

*Saturn* and *Mercury* emerge from the Sun Beams, and rise a little before the Sun.

*Jupiter* rises about 6 at night, and is South about 1 in the morning; at the end he is South about midnight.

*Mars* and *Venus* are combust.

English Accompt.  
Forcal. Accompt.  
Rom. Kalenda  
Rom. Secs. Days

111	D	Hyginus	The Interpretation of Several antient Stories of the Stars and Constellations, &c. continued.	8	7	3	53
212	E	Satyrus		2			55
313	F	Hilarus		7			56
414	G	elix					58
515	A	Mauris	I have formerly made mention of <i>Castor</i> and <i>Pollux</i> , the Heads of <i>Ge- mini</i> , how they are feign- ed to be the Sons of <i>La- da</i> , wife of <i>Tindarus</i> King of <i>Othotia</i> , begotten of <i>Jupiter</i> in the likeness of a Swan. Now more of them, & their Sister <i>He- lena</i> . They were the Sons & Daughters of <i>Ju- piter</i> & <i>Leda</i> , with whom <i>Jupiter</i> convers'd in the form of a swan, of whom came 2 Eggs, of the one were <i>Pollux</i> & <i>Helena</i> , of the other <i>Castor</i> & <i>Cly- temnestra</i> ; of the <i>Castor</i> & <i>Pollux</i> one was a Cham- pion, the other a Horse- man: They went against the <i>Caledonian</i> Boar, and accompanied the <i>Argo- nauts</i> , upon whose heads when		1	59	
616	B	Epaph. Epip.		5	7	3	1
717	C	Anthion		7			2
818	O	Pontian		3			3
919	E	Feb. Seb.		9			5
1020	F	Edward		10			7
1121	G	Agnes		11			8
1222	A	Vincent		2			10
1323	B	3 past Epip.		3			11
1424	C	Timothy		14	7	4	13
1525	O	Conv. S. Paul		15			14
1626	E	Policarp		16			16
1727	F	Chrysofto.		17			17
1828	G	Car. Mag.		18			19
1929	A	Valerius		19			21
2030	B	Septuages.		20	7	4	23
2131	C	Saturn		21			24
22	F	St. Bridget		22			26
23	E	Paris, Mary		23			27
24	F	Blaise		24			29
25	G	Gilbert		25	7	4	31
26	A	Agatha		26			33
27	B	Sexagesim		27			35
28	C	Zachary		28			37
29	O	Wil. B.Y.		29			39
30	E	Apollon.		30			41
31	F	Scholastica		31	7	4	43

# February hath xxviii. days

- New Moon the 3 day, at 2 in the aftern.
- First quarter the 10 day, at 10 at night.
- Full Moon the 19 day, at 1 in the Morning.
- Last quarter the 26 day at 9 in the morning.

Mon. Day.	Week Da.	Festival & Saints	The D's place in the zodiack at Noon	The D's rising fro. the full to the change, & setting fr. the cha. to the F.	The motu. Af. of the Plan. with the var. const. of air & cha. of wea.
1	D	D n. luc. vulturnis capri.	25	5 M. 3	frothy at the beginning, but abo the 3 day y lld- ing, and 8 2 8 high winds, & so continnes 8 2 8 turbulent for some days 8 8 8. but about this time we may have seasonab. weath. with * h 8 light frosts, and misty close weath. abo this time, & abo 8 8 8 the full * h 8 Moon va- * 8 8 rible & u. const. weather But about the 24. day shap p winds, and stormy wea- ther is expected, afterwards more calm, yet frosty 8 8 8 to the end.
2	E	Purificat. Mary aqua.	10	6 16	
3	F	Quinquagesima aqua.	24	New 8	
4	B	D n. Marchab. pisc.	9	6 A. 8	
5	A	Shrove-Tuesday pisc.	23	8 2	
6	H	Ash-Wednesday aries	7	9 18	
7	C	D n. prim. * ar. aries	20	10 28	
8	D	Sol in pisces taur.	3	11 4	
9	E	D n. Au. Pe. And. taur.	16	12 52	
10	F	Quadragesima taur.	28	0 M. 52	
11	G	A'debaran gem.	10	2 4	Moons Setting.
12	A	Term ends gem.	22	3 4	
13	H	Ember-Week canc.	4	3 54	
14	C	Valentine canc.	15	4 34	
15	D	D n. Pollux canc.	7	5 9	
16	E	D n. Afellus leo	9	5 20	
17	F	2 Sund. in Lent leo	21	5 40	
18	G	h 17 12 virg.	4	6 0	
19	A	h 19 R. virg.	17	Full 8	
20	H	h 2 virg.	2	7 A. 15	Moons Rising.
21	C	h 20 libra	13	9 2	
22	D	h 17 libra	26	10 2	
23	E	D n. laux. Aust. scorp.	9	11 36	
24	F	S. Matthias scorp.	3	12 50	
25	G	D n. Cor. Scorp. sagit.	7	0 M. 0	
26	A	D n. dex. hu. Op. sagit.	21	1 52	
27	H	D n. luc. Lyræ capri.	5	2 44	
28	C	D n. Caud. vult. capr.	19	3 36	

Saturn rises betwixt 4 and 5 in the morning.

Jupiter at the beginning is South at midnight at the end he is South about 10 at night, and Sets about 5 in the morning.

Mars continues under the Sun Beams, and so does Venus.

Mercury is Combuſt.

Fertile ſea Poetical Stories interpreted.

K.D. G.I. 16

English Accidents  
Foreign Accidents  
Roman Saints  
Roman Kings

1	Solther	when 2 flames were seen,	7	10	4	44
2	Euphras.	When they were in the		14		46
3	Quinquag.	Ship the storm ceased, &		12		48
4	Valentine	they were afterwards		10		50
5	Faustin	thought to be Gods of the		8		52
6	Juliana	Sea. When Castor was		6		54
7	Constance	kill'd, Pollux obtain'd of		4		56
8	Labina	Jupiter that the Immorta-		2	4	58
9	Roman	lity should be divided be-	7	0	5	0
10	Quaragel.	tween them; therefore	6	5	8	2
11	Sept. V. M.	when one dieth, the other		5		4
12	Peters Ch.	liverh. Helena was the		5		6
13	Policarp.	most beautiful of all o-		5		8
14	S. Matthias	thers of her time; she		4		11
15	Jur. Paul	was carried away by The-		4		13
16	Timeon	seus, but was restor'd again		4		15
17	Reminisc.	& married to Menelaus;	6	4	5	17
18	Oswald	afterwards was carried a-		4		19
19	David	way by Paris, which oc-		3		21
20	Chad	casioned the Trojan War:		3		23
21	Maurice	but after the death of Pe-		3		25
22	Adrianus	ris she marry'd with his		3		27
23	Eusebius	Brother Deiphobus, whom		3		29
24	Oswi	she betray'd to Menelaus,		2		31
25	Perpetua	and so was reconciled to	6	2		34
26	Cyprian	him again. Castor & Pol-		2		36
27	Prudence	lux are those flaming Ex-		2		38
28	Michaas	halations, or Meteors		2		40
		which				



# March hath xxxi. days.

- New Moon the 3 day, at 1 in the morning.
- First quarter the 12 day, at 6 night.
- Full Moon the 20 day, at 3 in the Aftern.
- Last quarter the 27 day, at 3 in the Afternoon.

Day.	aqua.	44	M. 10	Fair and frosty
1 Chd	aqua.	184	36	at the beginning,
2 Milcent Sunday	pifcos	35	2	but soon chang-
3 n. marchab P.	pifce.	175	28	eth to win weath.
4 n. A genib.	aries	1	ew	bringing snow,
5 n. Vent. Cet.	aries	158	A. 24	* h & or cold
6 n. prim. * Y	aries	239	34	rain; then tem-
7 n. Pc. And.	taur.	1110	40	□ h & perate for
8 n. Pleiades	taur.	2411	48	a while. But abo-
9 sand. in Lete	gem.	612	52	Δ ♀ the 11th
10 Sol in Aries	gem.	180	M. 52	day expect high
11 n. dex. hu. Au.	canc.	01	50	□ h & winds &
12 n. Sirius	canc.	112	30	stormy weather
13 n. Procyon	canc.	133	2	Δ ♀ with
14 n. Asellus	leo	53	28	plenty of mo'itu.
15 n. cor leonis	leo	173	50	after w. some fro-
16 Prim Sunday	virg.	04	10	sty weath. is ex-
17 h ♄ 14	virg.	124	30	pected, with hlg.
18 ♃ 17 stel.	virgo	254	50	winds about the
19 ♄ 24	libra	9	Full	full moon, & also
20 Benedi	libra	228	A. 10	♂ ♀ about the
21 ♀ γ 26	scorp.	69	30	□ ☉ h 23. day
22 ♀ γ 27 R.	scorp.	1010	48	followed with
23 Easter day	sagit.	412	C	Δ ☉ & some
24 Annunt. E. Mar	sagit.	180	M. C	light frosts, and
25 n. luc. Lyræ	capri.	21	C	'is hoped may
26 n. can. Vultur.	capr.	161	50	continue seaso-
27 n. luc. vult.	aqua.	02	50	nable to the end
28 n. Sin. Hu.	aqua	143	C	of the month.
29 n. dex hu	aqua	283	24	
30 Low Sunday	pifc.	123	4	

Moons Setting.

Moons Rising.

*Saturn* at the beginning rises a little after three in the morning, at the end he rises before 2. *Jupiter* at the beginning is South betwixt 9 and 10 at night, and sets about 5 in the morning, at the end he sets at 3. *Mars* at the end emergeth from the Sun Beams, and rises before him. *Venus* and *Mercury* set after the Sun.

English Accom.  
For in Accom.  
Rom. Calendar.  
Rom. St. Days.

1	1	G	Cunibert	which appear in the Air	6	18	42
2	2	G	Gregorius	near the ground in the	2	16	41
3	3	L	<del>Lucas</del>	night: these we call <i>Ignis</i>	3	14	40
4	4	L	Theodore	<i>Falsus</i> , or Jack with the	4	12	39
5	5	M	Agapite M.	Lantern, because they	5	10	38
6	6	C	Cyriacus	are kindred of the air,	6	8	37
7	7	t	Gertrude	and are seen there. They	7	6	36
8	8	G	Gabriel	are called <i>Juno's</i> Compan-	8	4	35
9	9	a	Joseph	nions. These 2 in the	9	2	34
10	10	L	Judas	habit of young men on	10	0	33
11	11	L	Benedict	Horseback with Spears in	11	58	32
12	12	D	Aphredos.	their hands and Caps on	12	56	31
13	13	L	Theodore	their heads, appeared to	13	54	30
14	14	L	Quirinus	the <i>Lacedemonians</i> ; so did	14	52	29
15	15	G	<del>Quintus</del>	they also to the <i>Locrenses</i> ,	15	50	28
16	16	a	Castulus	when they were fighting	16	48	27
17	17	L	Palm Sunday	against the <i>Crotonians</i> ; &	17	46	26
18	18	L	Rupert	to the <i>Romans</i> likewise,	18	44	25
19	19	D	Eustace	bringing them the news	19	42	24
20	20	L	Guido	of the overthrow of <i>Per-</i>	20	40	23
21	21	L	Balbina	<i>ses</i> . Therefore the wear-	21	38	22
22	22	a	Theodore	ing of the Cap was us'd as	22	36	21
23	23	a	Mary Egypt	a sign of Liberty; as we	23	34	20
24	24	L	<del>Leodegarius</del>	may read, at the death of	24	32	19
25	25	L	Ambrose	<i>Cesar</i> Lances were carri-	25	30	18
26	26	D	Vincent	ed about with Caps on	26	27	17
27	27	L	Sixtus	their tops; & at the death	27	25	16
28	28	L	Caelestin	of <i>Nero</i> the <i>Romans</i> put on	28	23	15
29	29	G	Dionysius	their Caps. Their Coin	29	21	14
30	30	a	Albians	had stamp on it 2 Dag-	30	19	13
31	31	L	<del>Marcellinus</del>	gers 1	31	16	12

# April hath 30 days.

- New Moon the 3 day, at 1 in the afternoon.
- First quarter the 11 day, at 1 in the afternoon.
- Full Moon the 19 day, at 2 in the morning.
- Last quarter the 25 day, at 9 at night.

1	B	D	Au.n. Ca. Ce	pic.	6	4	M.	4	Cloudy, stormy.
2	a	D	n. Cap. And	aries	10	4	2	☉ ☽ & rough	
3	b	D	n. first * Ar.	aries	23	New	●	weather is ex-	
4	c	D	n. Auf. P. And.	taur.	6	A.	35	pected till after	
5	d	D	n. Pleiades	taur.	19	9	3	the new Moon;	
6	e	D	n. Aibebaran	gem.	2	10	3	then fair ☿ ♀	
7	f	Sun. past East.	gem.	10	11	30		& pleas. ☐ ♀	
8	g	D	n. Dex. hu. Au.	gem.	26	12	30	for some days,	
9	a	Sol in Taurus	canc.	8	M.	30		with some show.	
10	b	Term begins	canc.	19	1	10		of rain about the	
11	c	D	n. Afellos	leo	1	1	4	7. day, ☿ ♀	
12	d	D	n. Cap. leonis	leo	13	2		and right April	
13	e	D	n. Cor leonis	leo	25	2	27	weather, with	
14	f	Sun. past East.	virg.	8	2	48		calm & ☐ ♀	
15	g	☿ 14 R.	virgo	20	3	8		pleasant weather	
16	a	♄ 17 D.	libr.	4	3	27		these days. But	
17	b	♅ 16	libr.	17	3	45		about ☿ ☽ ♀	
18	c	♆ 28	scorp.	1	4	2		the full ☿ ♀	
19	d	♄ 6 D.	scor.	1	Full	●		Moon expect	
20	e	D	n. Cor scorp.	scorp.	29	A.	45	cold win. ☿ ♀	
21	f	Sun. past East.	agrit.	14	10	54		with rain or hail,	
22	g	D	n. dex. hu. Op.	agrit.	28	12	0	& frosty morn-	
23	a	St. George	capr.	17	0	M.	0	☿ ☽ Ings. But	
24	b	D	n. luc. Vult.	capri.	27	0	34	about this time	
25	c	St. Mark	aqua.	11	1	2		warmer ☐ ☽	
26	d	D	n. dex hum	aqua.	24	1	26	weather is expe-	
27	e	D	n. Marchab. P.	pisce.	8	1	50	cted, with some	
28	f	Sun. past East.	pisce.	22	2	12		dropping at the	
29	g	D	n. Cap. And.	aries	5	2	34	end.	
30	a	D	n. vent. Cct.	aries	19	2	50		

MOONS SETTING

MOONS RISING

English Accom.  
Foreign. Accom.  
Rem. Calendar  
Rom. St. days

*Saints* at the beginning riseth betwixt 1 and 2 in the morning, at the end he rises at midnight.  
*Jupiter* is South about 7 at night, and sets betwixt 2 and 3 in the morning.  
*Mars* and *Mercury* rise a little before the Sun; *Venus* sets after him.

1	C	Appollin	gers with caps, when <i>Tor</i>	15	44	40
2	C	July Bish	<i>quindus</i> the King was Ba	2	1	48
3	C	Justinus	nished. <i>Saturn</i> who can	3	10	50
4	C	Tiburtius	transform himself into a	4	2	52
5	C	Olympia	ny shape, appear'd to the	5	3	54
6	C	Carcus	<i>Romans</i> in the <i>Latin</i> war	6	4	56
7	C	Misericord.	in the form of <i>Castor</i> and	7	5	58
8	C	Eluther	<i>Pollux</i> on Horseback; for	8	6	60
9	C	Aphage	which cause a Temple	9	7	62
10	C	Ananias	was erected both to <i>Castor</i>	10	8	64
11	C	Adelarius	& <i>Pollux</i> , but <i>Castor</i> , the	11	9	66
12	C	Emanue	lets worthy, carried the	12	10	68
13	C	S. Georg	name from the other; by	13	11	70
14	C	Lubilate	which we see, that honor	14	12	72
15	C	S. Mark	is not always given to	15	13	74
16	C	Cietus	those that deserve best.	16	14	76
17	C	Anastafius	<i>Dioscuri</i> were preservers	17	15	78
18	C	Vitalis	of men, but <i>Helena</i> came	18	16	80
19	C	Sybilla	out of the same Egg, who	19	17	82
20	C	Jofuz	verthrew <i>Troy</i> : So in the	20	18	84
21	C	Castrate	S. Phil & Jac.	21	19	86
22	C	Athanasius	same Church're good &	22	20	88
23	C	Inv. Crucis	bad, favors & desires, etc.	23	21	90
24	C	Florian	It was love in <i>Pollux</i> to	24	22	92
25	C	Gothard	share his immortality with	25	23	94
26	C	Jo. a Port	<i>Castor</i> , but in this he did	26	24	96
27	C	Juvenal	him more har. than good;	27	25	98
28	C	Rogat. San	for it had been better to die	28	26	100
29	C	Epiphach.	once, than so often. But the	29	27	102
30	C	Pacratius	our affections are oftentimes	30	28	104
			preposterous.			
			<i>Helena</i>			

# May hath xxxi days.

- New Moon the 3 day, at 4 in the Morn.
- First quarter the 11 day, at 7 in the morning.
- Full Moon the 18 day, at 10 in the morning.
- Last quarter the 25 day, at 2 in the Morning.

1	h Philip & Jacob	taur.	2	3	M. 18	At the beginning expect some * ♀ dropping and showry weather; afterwards fair and hot for some days, and generally seasonable until the 1 quarter, then expect some brisk winds and cloudy weather, and now & then rough till after the new Moon △ ♀ then 'tis hop'd we may ☐ ♀ have more calm and pleasant weather with misty mornings, afterwards △ ♀ clearing, & ♂ ♀ hot. * ♂ ♀ But abo. the 28 or 29 days wind and rain is expected, & cool for the season.
2	c Ascensio Dom.	taur.	15	3	40	
3	d n. Pleiades	taur.	27	New	●	
4	d n. Aldebaran	gem.	10	9	A. 37	
5	6 Sun. past E. R.	gem.	22	10	30	
6	Term ends	canc.	4	11	8	
7	d n. Past & pol.	canc.	6	11	40	
8	d n. Asellos	canc.	27	12	10	
9	d n. hu. cap leo.	leo	9	0	M. 10	
10	d n. Cor leonis	leo	21	0	34	
11	e Sol in Gemini	virg.	3	0	50	Moons setting.
12	f Whit Sunday	virg.	16	1	18	
13	d n. Vindemiati.	virg.	28	1	40	
14	d n. Spic. Virg.	libra	12	2	2	
15	h Ember Week	libra	25	2	22	
16	d n. laux. Aust.	scorp.	9	2	42	
17	d ♄ 14 R	scorp.	24	3	2	
18	e ♃ Ω 10	sagit.	8	Full	●	
19	f Trinity Sunday	sagit.	23	9	A. 45	
20	g ♂ 8 11	capri.	8	10	32	Moons Rising.
21	h ♀ 6 9	capr.	23	11	8	
22	h ♀ 8 24	aqua.	7	11	36	
23	c ♄ n. fin. Hu. ♄	aqua.	21	12	0	
24	d Term begins	pisces	5	0	M. 0	
25	e ♄ n. Marchab.	pisc.	19	0	22	
26	f Sun past Telo.	aries	2	0	44	
27	g d n. Cau. cet.	aries	15	1	6	
28	h d n. prim. * ar.	aries	28	1	28	
29	h K. Cha. II. N. R.	taur.	11	1	50	
30	c d n. Pleiades	taur.	2	2	14	
31	d d n. Aldebaran	gem.	6	2	38	

JULY, 1695.

16

English Account. Foreign Account. Roman Calendar. Roman Saints days.

Saturn is south between 10 and 11 at at Night.  
 Jupiter and Venus at the beginning set very near  
 together, about half an hour after 9 at Nights.  
 Mars rises about 1 in the Morning.  
 Mercury sets after the Sun.

1	11	c	Benedict	as Castor and Pollux were	1	3	51	8	9
2	12	d	Henricus	favourable Stars to Sea-men,	2		52		8
3	13	e	Margaret	so Helena was an unlucky	3		53		7
4	14	f	Bonavent	Star, always causing Storms :	4		54		6
5	15	g	Swithin	It is not likely that she who	5		55		5
6	16	a	Hillarius	was a pernicious Fire-brand,	6		56		4
7	17	b	7 p <sup>ast</sup> Trin.	and the ruin of so many	7		58		2
8	18	c	Arnolph	People in her life-time,	8	3	59		1
9	19	d	Ruffinus	should be propitious and	9	4	08		0
10	20	e	Elias	favourable to them after	10	4	17	59	
11	21	f	Daniel	death. Here may be observ-	11		3	57	
12	22	g	Mary Mag.	ed how Children fall into	12		5	55	
13	23	a	Apollin.	the same wickedness of their	13		6	54	
14	24	b	8 p <sup>ast</sup> Trin.	Parents, Leda broke her	14		7	53	
15	25	c	St. James	Faith to her Husband	15		9	51	
16	26	d	Anna	Tindarus, and committed	16		10	50	
17	27	e	Martha	whoredom with Jupiter,	17		11	49	
18	28	f	Panthol.	therefore both her Daugh-	18		13	47	
19	29	g	Beatrice	terss fell into the same sin,	19		14	46	
20	30	a	Abdon	and violated their Conjugal	20	4	16	7 44	
21	31	b	9 p <sup>ast</sup> Trin.	Faith so their Husbands;	21		17	43	
22		Aug.	Lammas	Helena to Menelaus, and	22		19	41	
23	2	d	Stephen	Clytemnestra to Agamemnon.	23		20	40	
24	3	e	Doninic.	Thus of a bad Tree seldom	24		22	38	
25	4	f	Aristarch.	comes good Fruit, the Crows	25		24	36	
26	5	g	Oswaldus	Egg is no better than the	26		25	35	
27	6	a	Sixtus	Crow her self. It might seem	27		27	33	
28	7	b	10 p. Trin.	strange, that the sin of one	28		29	31	
29	8	c	Cyprianus	Paris in ravishing Helena,	29		31	29	
30	9	d	Julian	should bring so Universal	30	4	33	7 27	
31	10	e	Lawrence	B 3	2	31	35	25	

turn over 2: leaves

# August hath xxxi. Days.

- First Quarter the 7th day, at 6 at night.  
 Full Moon the 14th day, at 8 in the morning.  
 Last Quarter the 21th day, at 11 in the morning.  
 New Moon the 29th day, at 3 in the afternoon.

1	c	☿	Stammas	virgo	5	7	A	39			Seasonable and
2	d	☾	n. caud. Leon.	virg.	18	8		0			* ☿ ☽ good
3	e	☾	n. Vindemiati.	libra	0	8		20			weather is expected
4	f	☾	n. post. Trinity	libra	12	8		40			at the beginning
5	g	☾	n. spica Virg.	libra	25	9		0			but about the 7th
6	a	☾	n. lanf. Aret.	scorp.	8	9		20			* ♃ ♀ or
7	b	☾	n. luc. in c. serp.	scorp.	21	7		50			☿ ♀ 8th
8	c	☾	n. cor. Scorp.	sagit.	5	10		36			days some windy and
9	d	☾	n. dex. hu. oph.	sagit.	19	11		36			☿ ☉ ♀ showery
10	e	☿	☿	capr.	3	12		44			weather, and so con-
11	f	☿	☿	capr.	18	0	M	44			tinues now and then
12	g	☾	n. luc. Vulturis	aqua.	3	2		0			☿ ♀ ☿ showers
13	a	☾	n. luc. Vulturis	aqua.	18	3		20			till after the Full
14	b	☿	☿ 8.	pisces	3						1 Moon. Then follows
15	c	☿	☿ 6	pisces	18	7	A	6			Windy weather, and
16	d	☿	☿ 11	aries	3	7		26			'tis hoped fair for
17	e	☿	☿ 20	aries	17	7		50			some days, and that
18	f	☿	☿	taur.	0	8		15			* ♀ ♀ it
19	g	☿	☿ 22	taur.	13	8		42			☿ ☉ ♃ may
20	a	☾	n. Pleiades	taur.	26	9		22			☿ ☉ ♃ con-
21	b	☾	n. Aldebaran	gem.	9	10		7			tinue good Harvest
22	c	☾	n. Alhaiot	gem.	21	10		56			☿ ♀ ♃ weather
23	d	☾	n. Sirius	canc.	3	11		49			for the most part,
24	e	☾	n. luc. re. Leo.	canc.	14	12		48			till towards the end
25	f	☾	n. luc. re. Leo.	canc.	26	0	M	48			of the Month, which
26	g	☾	n. Afellos	leo	8	1		54			is expected to pro-
27	a	☾	n. cor. Leonis	leo	20	3		4			duce showery wea-
28	b	☾	n. luc. re. Leo.	virgo	2	4		18			ther.
29	c	☾	n. caud. Leon.	virgo	14						
30	d	☾	n. Vindemiati.	virgo	27	6	A	25			
31	e	☾	n. spica Virg.	libra	9	6		50			

Moons Setting.

Moons Rising.



# AUGUST, 1699. 16

English Account.    Foreign Account.    Roman Calendar.    Rom. Saints days.  
 Saturn is south betwixt 8 and 9 at Night, and sets  
 betwixt 12 and 1.  
 Mars rises at the same time.  
 Jupiter and Mercury are Conbust.  
 Venus sets between 8 and 9 at Night.

1	11	f	Titus	a destruction, as the turning	1	4	37	7	23
2	12	g	Clare	of a whole City into Ashes.	2		39		21
3	13	a	Hypolit	But we must know, that	3		41		19
4	14			Paris was a Prince, his Sin	4		42		18
5	15	c	Assum.V.M	was exemplary and doubtless	5		44		16
6	16	d	Rochus	countenanced (as appears) by	6		46		14
7	17	e	Agepitus	the Trojans, refusing to make	7		48		12
8	18	f	Helena	satisfaction, or restitution,	8	4	50	7	10
9	19	g	Sebaldu	and denying that Helena	9		52		8
10	20	a	Leonard	was in the Town when the	10		54		6
11	21		2 p. Trin.	Græcians demanded her	11		56		4
12	22	c	Timothy	The Græcians were justly	12	4	58	7	2
13	23	d	Donatus	punished by the Law of Re-	13	5	0	7	0
14	24	e	Barthol.	taliation, for they had been	14		16		59
15	25	f	Ludovic.	guilty themselves of two	15		3		57
16	26	g	Irenæus	Rapes; One was, when they	16		5		55
17	27	a	Gebhard	carried Medæa from Chelchus;	17		7		53
18	28		2 p. Trin.	The other, when they carried	18		8		52
19	29	c	Decol.J. B.	Europa from Phœnicia to	19		10		50
20	30	d	Fœlix	Crete, and refused to make	20	5	12	6	48
21	31	e	Paulinus	restitution, which encouraged	21		14		46
22			Ægidius	Paris to serve them with	22		16		44
23		g	Rachel	the same sawce, and to carry	23		18		42
24		a	Euphem	away Helena. Thus we see	24		20		40
25				that the same measure we	25	5	22	6	38
26		c	Bertinus	mete to others, the same	26		24		36
27		d	Eugenius	shall be measured to us a-	27		26		34
28		e	Regina	gain. And how dangerous it	28		28		32
29		f	Nat.V.M.	is for Virgins to be alone,	29		31		29
30		g	Kunigur	unguarded, how apt to be	30	5	33	6	27
31		a	Sosthenes	B 4 car-	31		35		25

turn over 54 leaves

# September hath xxx Days.

- ☾ First Quarter the 6th day, at 1 in the morning.
- Full Moon the 12th day, at 6 at night.
- ☾ Last Quarter the 20 day, at 6 in the morning.
- New Moon the 28th day, at 6 in the morning.

1	f	15 past Trinity	libr.	22	7	A	13		Cloudy weather
2	g	☾ n. lanx. Aust.	scorp.	5	7		40		with high Winds
3	h	☾ n. lanx. Boreal.	scorp.	18	8		5		and showers begin
4	b	☾ n. cor. Scorp.	sagitt.	2	8		40		☾ h ♀ the
5	c	☾ n. dex. hu. Oph.	sagitt.	9	9		10		☾ h ♀ Month;
6	d	☾ n. sin. man. ♄	sagitt.	29	10		40		☾ ♀ ♀ after-
7	e	☾ n. luc. Lyrae	capric.	13	12		00		☾ ♀ ♀ wards
8	f	16 past Trinity	capr.	28	0	M.	0		* ☉ ♀ more
9	g	☾ n. sin. hu. ☿	aqua.	12	1		27		* ♄ ♀ mild
10	h	☾ n. dex. du. ☿	aqua.	27	2		54		for a time. But a-
11	b	☾ n. March. Peg.	pisces	12	4		21		about the 12th day
12	c	☾ n. caud. cet. Bo.	pisces	27		Full	●		expect Wind and
13	d	Sol in Libra	aries	11	6	A.	4		Rain, and continues
14	e	☾ n. pr. * Ariet.	aries	25	6		30		moist, with Misty
15	f	17 past Trinity	taur.	8	7		00		and close Foggy
16	g	☾ n. Pleiades	taur.	21	7		32		weather about this
17	h	☾ n. Aldebaran	gem.	4	8		06		* ♂ ♀ time:
18	b	Ember Week	gem.	17	8		43		now expect moderate
19	c	☾ 28 D	gem.	29	9		40		and good weather,
20	d	☾ 14	canc.	11	10		50		till after the Last
21	e	S. Matthew	canc.	22	12		00		☐ ☉ h ☐ h ♀
22	f	18 past Trinity	leo	4	0	M.	0		♂ ☉ ♀ Quarter.
23	g	☾ 4	leo	16	1		8		Then Rain is ex-
24	h	☾ 25	leo	28	2		15		pected, and probable
25	b	☾ 14	virgo	10	3		22		may continue show-
26	c	☾ n. caud. Leonis	virg.	22	4		30		ery, and at the end
27	d	☾ n. Vin demiat.	libr.	5	5		36		of the Month Windy
28	e	☾ n. spica Virg	libra	18		New	☾		weather.
29	f	S. Michael	scorp.	25	5	A	44		
30	g	☾ n. lanx. Boreal.	scorp.	15	6		18		

Moons setting

Moons rising



# June hath xxx Days

- New Moon the 1st day, at 5 in the afternoon.
- First Quarter the 9th day, at 8 at night.
- Full Moon the 16th day at 6 in the afternoon.
- Last Quarter the 23th day, at 11 in the morning.

1	e	D n. Alhaiot	gem.	18	New		Cloudy, windy and
2			canc.	0	9 A.	0	cool for the Season;
3	g	D n. Sirius	canc.	12	9	30	* ☉ ♀ and
4	a	D n. cor Procyon	canc.	24	9	54	* ♀ ♀ about
5	b	D n. Afellus	leo	6	10	18	☐ ♀ ♂ the
6	c	D n. luc. ca. Leon.	leo	18	10	42	☉ ☉ ♀ 7th or
7	d	D n. cor. Leon.	virgo	0	11	4	8th days some show-
8	e	D n. caud. Leon.	virgo	12	11	24	ers of Rain are
9			virg.	24	11	44	expected, yet sea-
10	g	D n. vindemiāt	libra	7	10	4	sonable Weather;
11	a		libra	20	0 M.	4	and about the 13th
12	b		scorp.	3	0	32	or 14th days some
13	c	D n. lanx. Ber.	scorp.	17	1	4	☉ ♀ ♀ Wind
14	d	D n. cor. Scorp.	sagit.	2	1	38	and Rain afterwards;
15	e	D n. dex. hu. Oph.	sagit.	17	2	12	an increase of Heat
16			capric.	2			with some misty
17	g	h ♄ 12	capric.	17	8 A	56	Mornings about this
18	a	♄ ♄ 25	aqua.	2	9	22	time; and about
19	b	♄ ♄ 3	aqua.	17	9	48	the 22th or 23th
20	c	♄ ♄ 15.	pisces	1	10	12	day Wind and Rain
21	d	♄ ♄ 26.	pisces	15	10	34	is expected; after-
22	e	D n. caud. Ceti	pisces	29	10	56	wards seasonable
23			aries	12	11	18	☉ ☉ ♀ and
24	g		aries	25	11	40	good weat to the
25	a	D h. auf. pe. And.	taur.	8	12	0	end of the Month.
26	b	D n. Pleiades	taur.	20	0 M	0	
27	c	D n. Aldebaran	gem.	3	0	18	
28	d	D n. Alhaiot.	gem.	19	1	0	* ♂ ♀
29	e		gem.	27	1	40	☉ ♀ ♀
30			canc.	9	2	28	

Moons setting.

Moons rising.

English Account.    Foreign Account.    Roman Calendar.    Ro. Sain day  
 Saturn towards the end is south at Midnight.  
 Jupiter and Venus at the end of the Month set very  
 near together, betwixt 9 and 10 at Night.  
 Mars rises before the Sun. Mercury at the begin-  
 ning is Combust; at the end he emergeth from the  
 Sun beams and sets after him.

1	11	a	S. James	and Oenone; afterwards be-	1	3	44	8	16
2	12	c	Solstitium	trayed the City of Troy to	2		43		17
3	13			the Grecians, and trea-	3		43		17
4	14	d	Basilus	cherously caused her Hus-	4		42		18
5	15	e	Vitus	band Deiphobus to be mur-	5		42		18
6	16	f	Rulandus	dered in his Bed by Ment-	6		42		18
7	17	g	Botolph	Laws. Thus we see that the	7		42		18
8	18	a	Homer	ontward beauty of the Body	8		41		19
9	19			wichout the inward Graces	9		41		19
10	20	c	Tr. Edward	of the Mind, is but a Gold-	10		41		19
11	21	d	Walburge	ring in a Swines Snout: He-	11	3	41	8	19
12	22	e	Alban	lena, by some, is called the	12		41		19
13	23	f	Jo. & Paul	Daughter of Leda, but by	13		41		19
14	24	g		others, the Daughter of Ne-	14		41		19
15	25	a	Elogius	ness; both may be true, for	15		42		18
16	26			one Woman may have two	16		42		18
17	27	c	Crescens	Names, she was called Læ-	17		42		18
18	28	d	Leo P.	da whilst she lived, but	18		42		18
19	29	e	S. Peter	Nemesis being dead: Helena	19		43		17
20	30	f	Con. Paul	was made a Star, as her	20		43		17
21			Theobald	Brethren Castor and Pol-	21	3	44	8	16
22	1	a	Visit. V.M.	lux, although these be ra-	22		44		16
23	2			ther Exhalations than Con-	23		44		16
24	3	c	Huldrich	stellations. Thus the Hea-	24		45		15
25	4	d	Zoa. Virg.	thens left no room in Hea-	25		45		15
26	5	e	Hector	ven for honest Men, having	26		46	8	14
27	6	f	Demetrius	filled it with Tyrants,	27		47		13
28	7	g	Chilian	Whores, Adulterers, Mur-	28		48		12
29	8	a	Cyrillus	derers, &c. —————	29		49		11
30	9				30	3	50	8	10

July hath xxxi days, 1695.

- ☾ New Moon the 1st day, at 9 in the morning.  
 ☾ First Quarter the 9th day, at 9 in the morning.  
 ☾ Full Moon the 15th day, 40 min. past 11 at night.  
 ☾ Last Quarter the 22th day, at 8 at night.  
 ☾ New Moon the 30th day, near midnight.

1	g	n. Procyon	canc.	28	New	☾	Some showers of
2	a	n. Afellos	leo	38	A	18	Rain at the begin-
3	b	n. luc. ca. Leon.	leo	14	8	48	ning of the Month,
4	c	n. cor. Leonis	leo	26	9	7	then follows fair and
5	d	n. luc. in te. Leo	virg.	8	9	26	hot weather for se-
6	e	n. caud. Leon.	virg.	20	9	45	veral days, and good
7	f	2 past Trinity	libra	3	10	6	Hay-weather: But
8	g	n. spica Virg.	libra	16	10	30	about the 11th day
9	a	n. lanx. Aust.	libra	28	10	55	some brisk Winds;
10	b	n. lanx. Boreas.	scorp.	12	11	25	and probably some
11	c	n. cor. Scorp.	scorp.	26	12	0	Rain therewith;
12	d	n. dex. hu. Oph.	scagit.	10	0	M	☾ h ☽
13	e	3 past Trinity	capr.	25	0	4	also some showers
14	f	n. St. Swishin	capr.	25	Full	☾	of Rain about the
15	g	n. ♄ 10	aqua.	10	7	A	Full Moon, and
16	a	n. ♃ 0	aqua.	25	8	16	Thunder about this
17	b	n. ♄ 22	pisces	10	8	38	☾ 24 ☽
18	c	n. ♃ 18	pisces	24	9	0	time is expected.
19	d	n. ♄ 2	aries	8	9	20	Then 'tis hoped we
20	e	2 past Trinity	aries	23	9	38	may have seasonable
21	f	n. aust. pe. And	taur.	5	10	0	and good Weather
22	g	n. P. ciades	taur.	17	10	34	till near the New
23	a	n. Aldebaran	gem.	0	11	14	Moon, which is ex-
24	b	St. James	gem.	12	12	e	pected to bring some
25	c	n. dex. hu. Aur	gem.	24	0	M	showers of Rain.
26	d	n. Syrius	canc.	6	0	45	
27	e	10 past Trinity	canc.	18	1	45	☐ ☽ ☽
28	f	n. Afellos	leo	0	3	00	
29	g	n. luc. ca. Leo	leo	11	New	☾	☾ 24 ☽
30	a	n. cor. L. Basil	leo	23	7	A	
31	b						

turn back 4 leaves

# NOVEMBER, 1695. 16

Saturn sets about 7 at Night.  
 Jupiter at the beginning rises about 2 in the Morning.  
 at the end he rises between 12 and 1.  
 Mars rises about 11 at Night. Venus at the begin-  
 ning is Coniust, at the end she rises before the Sun  
 Mercury at the end is Coniust.

111	g	Martin Ep.	Lucian writes, that the	7	38	4	22		
212	a	Cunibert	Gods would have their Son	2	39		21		
313	24 p. Trin		to go to War and to re-	3	41		19		
414	c	Frederick	venge the Pape of Helena	4	43		17		
515	d	Leopold	though they knew they	5	45		15		
616	e	Otmarus	should be killed there, be-	6	46		14		
717	f	Hugo	cause they thought it	7	48		12		
818	g	Mezechias	less Glory to dye for Helena	8	49		11		
919	a	Elizabeth	than to be born of the	9	51	4	9		
1020	25 p. Trin		Gods. How much rather	10	52		8		
1121	c	Oblat. V.M	should we strive to dye in	11	54		6		
1222	d	Cæcilia	the defence of our Country	12	55		5		
1323	e	Clement	and Religion, which ought to	13	57		3		
1424	f	Chryfog.	be fairer to us, and dearer	14	58		2		
1525	g	Catherine	than any Helena. But He-	15	8	0	0		
1626	a	Conradus	lena, is Euripides confelleth	16		13	59		
1727	26 Advent S.		That she never was in Troy.	17		3	57		
1828	c	Ruffus	but in Egypt, all the time	18		4	56		
1929	d	Saturnius	of the Trojan War, and	19		6	54		
2030	e	St. Andrew	that her Image only, which	20		7	53		
21	Dec.	Longinus	Juno had made to delude	21		8	52		
22	2	g	Candidus	Paris, was carried by him	22		9	51	
23	3	a	Caſian.	to Troy; so then it seems	23	8	10	3	50
24	4	27 Advent		That all this stir and long	24		11		49
25	5	c	Sabina	War was not for Helena.	25		12		48
26	6	d	Nicholas	but for her Image, if we	26		13		47
27	7	e	Agathon	imagine things right, it	27		14		46
28	8	f	Conc. V.M	is not for the substance.	28		15		45
29	9	g	Joachim	but for the shadows and	29		15		45
30	10	a	Miltiades	Images	30	8	16	3	44



## English Account.

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Day	Star	Sign	Time	Moons Setting	Moons Rising	Moons Setting
1	Advent	pisces	0 10 A	48		Windy weather,
2	Dn. Marchab. p.	pisces	14 12	10		with Snow or cold
3	D n. caud. Ceti	pisces	28 0	M 10		Rain, begins the
4	D n cap. Andr.	aries	11 1	22		☐ ♂ ♀ the
5	D n.pr. Ariet.	aries	25 2	33		Month afterwards
6	D n.auf pe. And.	taur.	8 3	43		Frosty and fair wea-
7	D n.Pleiades	taur.	21 4	52		☐ ☉ ♄ ther,
8	Advent	gem.	3 6	3		with some Foggy
9	D n. Alhiet	gem.	16 7	13		and Close weather:
10	D n.dex.hu, Aur.	gem.	28 8	Full ☉	I	But generally tem-
11	D n. Syrius	canc.	11 5	A 2		perate for the season
12	D n.Cast.& Pol.	canc.	23 6	4		these days, and 'tis
13	D n. Afellos	leo	5 7	14		☐ ♂ ♀ hoped
14	D n.luc.cap. Leo	leo	16 8	24		it may continue till
15	Advent	leo	28 9	30		about the Last
16	D n.luc.in te Leo	virg.	10 10	37		Quarter; then 'tis
17	h 16.	virgo	22 11	44		expected we may
18	Ember Week	libr.	4 12	50		have Wind with
19	h 27.	libr.	17 0	M 50		Snow or Rain, and
20	h 11.	scor.	0 1	56		and right Winterly
21	Thomas	scor.	13 3	4		* ♄ ♀ wea-
22	Advent	scorp.	27 4	11		☐ ☉ ♂ ther,
23	h 28.	sagit.	11 5	18		with Frost about the
24	♀ ♀ 22 D.	sagit.	25 5	New ☉	I	New Moon, and to-
25	Mar. Christ	capr.	10 6	26		ward the end yield-
26	S. Stephen	capr.	23 5	A 22		ing with Rain and
27	S. John	aqua.	10 6	48		☐ ♄ ♀ Cold
28	Ascension	aqua.	25 8	14		☐ ☉ ♄ raw
29	D n.March.peg.	pisces	10 9	34		weather.
30	D n.caud. Ceti.	pisces	24 10	54		
31	D n.Algenib.	aries	8 12	14		

# DECEMBER, 1625. 16

English Account.	Roman Account.	Roman Calendar.	Rom. Saints days.	<p>Saturn at the end giveth 10 Combustion.</p> <p>Jupiter at the beginning rises at Midnight; at the end he rises between 10 and 11 at Night.</p> <p>Mars rises about 10 at Night. Venus rises between 4 and 5 in the Morning.</p> <p>Mercury rises before the Sun.</p>
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1	11		Images of things that we	8	16	3	44
2	12	c	Elfred fight and struggle for in	3	17		43
3	13	d	Lucia V. this World; and so it is		17		43
4	14	e	Auxentius for Ceremonies, not for the	4	18		42
5	15	f	Abraham substance of Religion; for	5	18		42
6	16	g	Ananias the shadow, not for the Body	6	18		42
7	17	a	Lazarus of Holiness and Felicity that	7	18		42
8	18		we molest and murder one	8	19		41
9	19	c	Loth another; we fight not for	9	19		41
10	20	d	Julian Christ indeed, but for the	10	19		41
11	21	e	S. Thomas word Christ. 'Tis said that	11	8	15	3 41
12	22	f	Theodore Zeuxis painted the Picture of	12	19		41
13	23	g	Dagobert Helena, and exposed it to be	13	19		41
14	24	a	Adam & E. seen of those that would	14	19		41
15	25		give a peny for the fight of	15	18		42
16	26	c	it, otherwise without Mony	16	18		42
17	27	d	it was not to be seen;	17	18		42
18	28	e	whence arose the Proverb,	18	18		42
19	29	f	Jonathan Zeuxis his Helena is a Whore.	19	17		43
20	30	g	David because Whores afford the	20	8	1	3 43
21	31	a	Silvester fight and use of their Bo	21	16		44
22			dies for Mony. Like Zeuxis	22	15		45
23	2	b	Abel there are some that expose	23	15		45
24	3	c	Enoch the Relicks and Images of	24	14		46
25	4	d	Methusal. Saints to be seen of Stran-	25	8	1	3 47
26	5	e	gers for mony, &c.	26	13		47
27	6	f		27	12		48
28	7	g	Felic. &c.	28	11		49
29	8			29	10		50
30	9	b	Marcellus	30	8	3	3 51
31	10	c	Agathus	31	8		51

**A** TABLE shewing how many Years purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

The Use and Explanation of the T A B L E.									
Years of a Lease.	Years.	Months.	10th parts		Years of a Lease.	Years.	Months.	10th parts	
1	0	11	0	Lease, or Annuity, and right against	17	10	5	8	
2	1	9	9	each Year, is the Years, Months, and	18	10	9	3	
3	2	8	1	Tenth Parts of a Months purchase,	19	11	1	9	
4	3	5	9	that such a Lease or Annuity is	20	11	5	7	
5	4	2	5	worth. Example :	21	11	9	3	
6	4	11	1	Suppose a Lease or Annuity to	22	12	0	5	
7	5	7	0	continue 12 Years, and you would	23	12	3	6	
8	6	2	7	know how many Years purchase it	24	12	6	6	
9	6	9	9	is worth in present Money, look in	25	12	9	4	
10	7	4	3	the Table for Twelve Years of a	26	13	0	0	
11	7	10	7	Lease to the left Hand, and against	27	13	2	5	
12	8	4	6	the same you shall find 8, 4, 6,	28	13	4	9	
13	8	10	3	which sheweth that such a Lease	29	13	7	1	
14	9	3	6	is worth 8 Years, 4 Months, and	40	13	9	2	
15	9	8	5	6 Tenth parts of a Months Pur-	31	13	11	1	
16	10	1	3	chase.	32	14	1	0	

#### A G A I N:

If you are to take or buy the Reversion of any Lease or Annuity, work thus; Suppose the Lease to be Thirty Years in all, you find in the Second Table and Right Hand against Thirty, 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchase; this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence, look in the Table against the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchase: Take this out of the Sum against Thirty, which is, 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after five Years worth, the Remainder of Thirty Years.

This is Useful, and very Easy.

# SEPTEMBER, 1695. 16

**English Account.**  
**Foreign Account.**  
**Roman Calendar.**  
**Roman Saints days.**  
**Roman Saints days.**  
 Saturn at the beginning sets about 11 at Night, at the end he sets between 9 and 10.  
 Jupiter at the end emergeth from the Sun-beams, rising before him. Mars rises about Midnight.  
 Venus sets a little after the Sun. Mercury at the end is Combust,

1	11	15 p. Trin.	carried away, if they be	1	5	37	6	23
2	12	c Maximia	eminent either in Beauty,	2		39	6	21
3	13	d Amantius	Wealth or Parentage. Thus	3		41		19
4	14	e Exal. Cruc.	was Europa carried away by	4		43		17
5	15	f Nicomed.	Jupiter, Orithya by Boreas,	5		45		15
6	16	g Edith	and Helena by Theseus: We	6		47		13
7	17	a Lambert	may here observe, how the	7	3	49	6	11
8	18	16 p. Trin.	hopes of wicked men are	8		51		9
9	19	c Victor	frustrate; for Paris having	9		53		8
10	20	d Eustace	carried away Helena from	10		55		6
11	21	e S. Matthew	her Husband with a great	11		57		4
12	22	f Maurice	deal of Wealth, and violated	12	5	58	6	2
13	23	g Joel	the rights of Hospitality,	13	6	06		0
14	24	a Rupert	was Sailing home to Troy;	14		25	58	
15	25	17 p. Trin.	but by a contrary Wind was	15		4	56	
16	26	c Cyprian	driven upon the Coast of	16		6	54	
17	27	d Judith	Egypt, where being forced	17		8	52	
18	28	e Wencesla.	to Land, was brought before	18		10	50	
19	29	f S. Michael	Proteus King of Egypt, and	19		12	48	
20	30	g Jerome	being accused of Rape and	20		14	46	
21	1	Octo. Remigius	Theft, was forced to avoid	21	6	16	5	44
22	2	18 p. Trin.	the Kingdom, and to leave	22		18	42	
23	3	c Candidus	him his ill got purchase	23		20	40	
24	4	d Franciscus	both of Goods and Wife.	24		22	38	
25	5	e Apollin.	Thus the hopes of the Wic-	25		24	36	
26	6	f Fides	ked perish. Let us also ob-	26		26	34	
27	7	g Aurelia	serve the severe reward of his	27		28	32	
28	8	a Pelagia	Sin; for Helena having been	28		30	30	
29	9	19 p. Trin.	the cause of so much mischief	29	4	32	5	28
30	10	c Gideon	and	30		34		26

# October hath xxxi. Days

- ☾ First Quarter the 5th day, at 10 in the morning.
- ☾ Full Moon the 12th day, at 5 in the morning.
- ☾ Last Quarter the 20th day, at 1 in the morning.
- New Moon the 27th day, at 7 night.

1	a	☾ n. cor Scorp.	scorp.	28	7	A	0	Moons Setting.	Brisk Winds clearing the Skies; then follows milly Weather for some days, which about the 7th or 8th days comes down with Rain, fair for some days. But about the 12th
2	b	☾ n. dex. ge. Oph.	fagit.	12	7		45		
3	c	☾ n. lin. Man. ☾	fagit.	26	8		38		
4	d	☾ n. luc. Lyrae	capr.	10	9		43		
5	e	☾ n. luc. Vult.	capr.	23	11		4		
6	f	☾ n. past Trinity	aqua.	8	12		34		
7	g	☾ n. lin. hu. ☾	aqua.	22	0	M	34		
8	a	☾ n. Fomohaut	pifces	7	1		56	Moons Rising.	* ☿ ☽ or 13th days expect drizzling Rain, which is followed with ☐ ☽ ☿ brisk Winds, and stormy weather; which being past, it is hoped we may have good seasonable weather for the most part of the Month; yet not without some ☼ ☉ ☿ showers, and about the 28th ☽ ☿ ☽ day a sharp frosty Air, and continues cold to the end of the Month.
9	b	☾ n. Marchab.	pifces	21	3		18		
10	c	☾ n. Algenib	aries	5	4		40		
11	d	☾ n. cand Ceti	aries	19	6		0		
12	e	☾ n. auf pe. And.	taur.	3					
13	f	☾ n. past Trinity	taur.	16	5	A	30		
14	g	☾ n. Pleiades	taur.	29	6		0		
15	a	☾ n. Aihalot	gem.	12	6		40		
16	b	☾ n. dex. hu. Aur.	gem.	24	7		30		
17	c	☾ n. Syrius	canc.	6	8		38		
18	d	S. Luke	canc.	18	9		45		
19	e	☿ ☿ 10.	leo	0	10		54		
20	f	☿ ☿ past Trinity	leo	12	12		2		
21	g	☿ ☿ 20.	leo	24	0	M	2		
22	a	☽ ☽ 20.	virg	6	1		10		
23	b	☿ ☿ begins	virg.	18	2		20		
24	c	☿ ☿ 1. R.	libra	1	3		30		
25	d	☿ ☿ Crispin	libra	14	4		40		
26	e	☿ ☿ 0.	libra	27	5		50		
27	f	☿ ☿ past Trinity	scorp.	10					
28	g	☿ ☿ 24. 5	scorp.	24	5	A	0		
29	a	☾ n. cor. Scorp.	fagit.	8	5		54	Moons Setting.	
30	b	☾ n. lin. man. ☾	fagit.	22	6		50		
31	c	☾ n. luc. Lyrae	capr.	6	7		50		

English Account.	Foreign Account.	Roman Calendar.	Rom Saints days						
				Saturn sets betwixt 8 and 9 at Night.					
				Jupiter rises about 3 in the Morning.					
				Mars rises between 11 and 12 at Night.					
				Venus and Mercury sets after the Sun.					
1	1	D	Burchard	and ruin, as a War against	1	6	36	5	24
2	12	e	Waltride	the Athenians by her Bro-	2		38		22
3	13	f	Telemach	ther Castor and Pollux, in	3		40		20
4	14	g	Calixtus	which Theseus his Mother	4		42		18
5	15	a	Hedwig	was carried away Captive;	5		44		16
6	16	20 p. Trin		of a Ten years War against	6		46		14
7	17	c	Woolstan	Troy, in which many Thou-	7		48		12
8	18	d	S. Luke	sands (both Gracians and	8	6	50	5	10
9	19	e	Ptolomy	Trojans) were lost, and the	9		52		8
10	20	f	Wendelin	City utterly ruined, of great	10		54		6
11	21	g	Ursula	Calamity to her Husband	11		56		4
12	22	a	Cordula	Menelaus in forsaking his	12		58	5	2
13	23	21 p. Trin		Bed, of Incest with her Son.	13	6	0	5	0
14	24	c	Magor	in Law, of the cruel Mur-	14	7	2	4	58
15	25	d	Crispin	der of her other Husband	15		4		56
16	26	e	Amandus	Deiphobus: She was at last	16		6		54
17	27	f	Victoria	driven from her House and	17		8		52
18	28	g	S. Sil & Iud.	banished out of the Coun-	18		10		50
19	29	a	Narcissus	try by Menelaus his Chil-	19		12		48
20	30	22 p. Trin		dren, and fled to Rhodes, to	20	7	14	4	46
21	31	c	Quintin	Polixena, the Queen then of	21		16		44
22	NOV	All Saints		that Island; her old Ac-	22		18		42
23	2	e	Om. Anim.	quaintance, whose Servants	23		20		40
24	3	f	Theophilus	abhorring such a Monster,	24		22		38
25	4	g	Modestius	carried her away, as she	25	7	24	4	36
26	5	a	Petrone	was naked, washing her	26		26		34
27	6	23 p. Trin		self in her Chamber, and	27		28		32
28	7	c	Willibrode	hanged her on a high	28		30		30
29	8	d	Claudius	Tree, and so she made an	29		32		28
30	9	e	Theodore	Ignominious end.	30	7	34	4	26
31	10	f	Martin P.	Lucian	31		36		2

turn back: 3 line

# November hath xxx days.

- First Quarter the 3d day, at 5 at night.
- Full Moon the 10th day, at 8 at night.
- Last Quarter the 18th day, at 9 at night.
- New Moon the 26th day, at 6 in the morning.

1	D	All Saints	capr.	24	9	A	0	I	High Wind, with
2	e	All Souls	aqua.	15	10		20		plenty of Snow or
3	f	24 past Trinity	aqua.	10	11		44	Moons setting.	cold Rain, and con-
4	g	D n.dex.hum.	pifces	3	1		8		☐ ☿ ♀ ☼ ☽
5	a	Gunpowder Plot	pifces	17	1	M	8		tinues rough and
6	b	D n.Algenib.	aries	1	2		24		☿ ☽ ♀ tur-
7	c	D n.caud Ced.	aries	15	3		40		bulent and Winterly
8	d	D n.prim. * Y	aries	28	4		56		weather these days
9	e	D n.auf.pe. And.	taur.	11	6		12		☽ Eclipsed, visible.
10	f	25 past Trinity	taur.	25	Full	☽	1		Martinmas=day.
11	g	D n. Aldebaran	gem.	7	4	A	34		☐ ☽ ☿ Still
12	a	Sol in Sagittary	gem.	20	5		25		Windy weather is
13	b	D n. Syrius	canc.	2	6		25		expected: But now
14	c	D n.Procyon	canc.	15	7		28		'tis hoped we may
15	d	D n.Asello	canc.	27	8		32		have more temperate
16	e	h v 12	leo	8	9		40		weather, with some
17	f	26 past Trinity	leo	20	10		05	Moons rising.	moderate Frosts and
18	g	h m 24	virgo	12	12		00		seasonable weather.
19	a	☿ m 2	virgo	14	0	M	0		which 'tis hoped may
20	b	♀ m 18	virgo	26	1		8		continue till about
21	c	☿ 7 21 R.	libra	9	2		18		the 24th or 25th
22	d	D n.spica Virg.	libra	22	3		27		days; then expect
23	e	D n.lanx. Aqst.	scorp.	5	4		36		Windy weather, with
24	f	27 past Trinity	scorp.	19	5		45		Snow or Rain good
25	g	D n.cor.Scorp.	sagit.	3	6		54		store, and variable
26	a	D n.dex.hu.Odh.	sagit.	17	New	☽		10's setting.	☿ ☽ ♀
27	b	D n.sin.ma.	capr.	2	5	A	15		weather to the
28	c	Term ends	capr.	16	6		35		Months end.
29	d	D n.luc.in ma.	aqua.	1	8		0		
30	e	S. Andrew	aqua.	10	9		26		



S A U N D E R, 1695.

The Second Part. 16

Containing the Eclipses ; the Suns Quarterly Ingresses, the Southing of the seven Stars for every 5th. day of this Year. With Rules and Tables for the measuring of Board, Glass, Pavements, or other Superficial measure ; as also to Measure Timber ; And many other things worth Observation.

The Characters of the Twelve Signs.

♈ Aries, ♉ Taurus, ♊ Gemini, ♋ Cancer, ♌ Leo, ♍ Virgo, ♎ Libra, ♏ Scorpio, ♐ Sagittary, ♑ Capricorn, ♒ Aquarius, ♓ Pisces.

The Characters of the Planets, with the Dragons Head and Tail,  
♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☾ Moon, ♁ Dragons Head, ☿ Dragons Tail.

The Aspects.

♊ Conjunction, \* Sextile, □ Quartile, △ Trine, ☿ Opposition

A Brief Chronology of Memorable things, to  
this Year, 1695.

Since	The Creation of the World	3643
	Noahs Flood	3988
	The destruction of Sodom and Gomorrah	3597
	The destruction of Troy	2877
	Brute entered this Island	2802
	The Building of London	2802
	The Building of York	2684
	The Building of Leicester	2638
		Since

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Since	The building of <i>Canterbury</i>	2587
	The building of <i>Stamford</i>	2558
	The building of <i>Rome</i>	2447
	The destruction of <i>Jerusalem</i> by <i>T. Vesp.</i>	1608
	<i>England</i> first received the <i>Christian Faith</i>	1515
	The Tower of <i>London</i> built	1130
	Duke <i>William</i> conquered <i>England</i>	629
	<i>Westminster</i> Hall was built	596
	The Bible divided into Chapters	500.
	The Invention of Guns	317
	The Art of <i>Printing</i>	255
	<i>St. Pauls</i> Steeple fired by <i>Lightning</i>	134
	New Star in <i>Cassiopeia</i>	122
	A great Snow fell <i>Feb. 4.</i>	117
	<i>Tilbury</i> Camp on <i>St. James's</i> day	107
	A Plague in <i>London</i> , whereof dyed 30598	91
	Gunpowder Treason, <i>November 5.</i>	90
	A great Snow, and <i>Smithfield</i> paved	80
	A great Plague in <i>London</i> , whereof dyed 35418	70
	The Long Parliament began, <i>November 3.</i>	55
	King <i>Charles</i> the First was Murdered	47
	Two Comets appeared in <i>December</i> and <i>March</i>	31.
	The doleful Plague that followed them	30
	<i>London</i> was burnt, <i>September 2, 3, 4, 5</i>	29
	The last great Snow	21
	The wonderful Comet in <i>December</i>	15
	A Comet in <i>August</i>	13
	The terrible Fire in <i>Wapping</i> , <i>November 19.</i>	13
	A great Earthquake, <i>October</i> the 6th	12
	The last great Frost	11
	The Rebellion in the <i>West</i>	10
	The seven Bishops sent to the Tower, <i>June</i>	7
	The Prince of <i>Orange</i> Landed, <i>November 5.</i>	7
	King <i>William</i> went to <i>Ireland</i> with an Army, <i>June</i>	5
	The <i>French</i> Fleet most notoriously beaten by the <i>English</i> and <i>Dutch</i> , and 20 of their capital Ships destroyed,	3

# S A U N D E R, 1695. 16

Of the Eclipses this Year 1695.

**T**O the Inhabitants of this *Terraqueous Planet* whereon we live, there will happen Four Eclipses of the Two Great Luminaries of Heaven, in this Year 1695. Two of the Sun, and Two of the Moon; and but one of them visible here in *England*, viz. One of the Moon, They happen as followeth.

The first is an Eclipse of the *Moon*, the 18th day of *May*, about Ten of the Clock in the Morning, and therefore not to be seen by us, but in our *Antipodes*, *New Zealand*; also in the *South-Sea*, *Hispania Nova*, and other parts of *America*, it may be seen betwixt 5 and 6 digits Eclipsed.

The Second is an Eclipse of the *Sun*, the first day of *June* about 5 of the Clock in the afternoon, but not visible to any part of *England*, yet it is a great Eclipse, and will so appear to the South-west parts of the World from us, viz. to the middle parts of *America*, about *Peru*; *Brasilia*; also in the Sea call'd *Mare Del Zaire*, *Vicinus Peruvianus*, &c.

The third Eclipse is of the *Moon*, the 10th. day of *November*, about Seven of the Clock at Night, it happeneth near the Seven Stars, it is the only visible Eclipse to us in *England*, about half the Moons Body will be darkened; the Calculation thereof take as followeth.

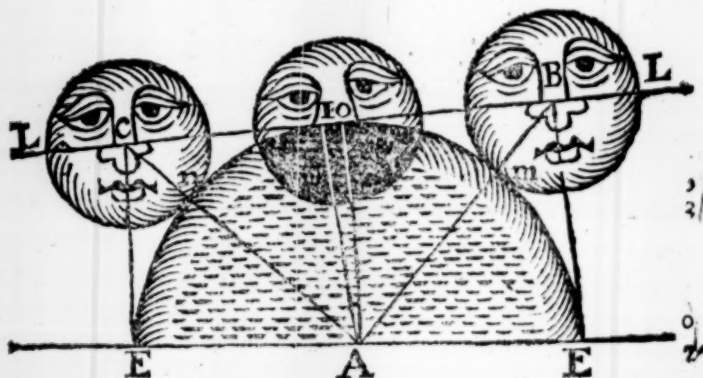
November the 10th. at 7 at Night:

	Sig.	deg.	'	"
The Place of the Sun is —————	m	28	40	46
The Place of the Moon is —————	8	28	40	46
Node ascending substract —————	8	06	44	37
Rays Argument of Latitude —————	5	21	56	09
Moons Latitude North descending —————			42	02
Reduction added —————			1	57
Time of Reduction substract —————			3	54
Correct time, Nov. 10th. ————— at 6 hours —————			56	06
Equation of time added —————			11	30
Difference of Meridians substract —————			4	00
Apparent time at <i>Leicester</i> , ————— at 7 hours —————			3	36
Semidiameter of the Moon. —————			15	50
Semidiameter of the Earths shadow —————			43	14
A 2				Sum

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	min.	sec.
Sum of the Semidiameters .....	59	04
<i>Moons</i> Latitude substract .....	42	02
<i>Ref's</i> parts deficient .....	17	02
The Digits Eclipsed are — 6 .....	27	17
Minutes of Incidence .....	41	30
Time of Incidence ——— 1 hour .....	23	11
Total Duration .....	46	22
Interval of the true $\odot$ and greatest Obscurat. ....	7	21
The Beginning of the Eclipse at 5 hours .....	47	46
The Middle of the Eclipse at 7 .....	10	57
The End at ——— 8 .....	34	08
<hr/>		
<i>Moons</i> Latitude at the beginning, <i>Nor. Descen.</i> .....	45	55
<i>Moons</i> Latitude at the end, <i>Nor. Descen.</i> .....	38	10

## A Type of the ECLIPSE.



In this Figure the Semicircle *E. n. m.* *E* representeth part of the Earths Shadow, *A* is the Center thereof, the Line *E A E*, Representeth the Ecliptick, which the Center of the Earths Shadow always observeth, the Line *L. L.* is the way of the *Moon* in her *Orb*; *A E*, *A n*, or *A m*, the Semidiameter of the Earths Shadow, *C n*, or *B m*, the Semidiameter of the *Moon*; *A C*, or *A B*, the Sum of the Semidiameters, *B* the place of, the

the *Moon*, at the beginning of the Eclipse entering the Shadow at *m*, having then 45 min. 55 seconds of North-Latitude, represented by the Line *B, E*, The distance of the Lines, *A, o*, and *Ai*, taken in the Line *L. L*. sheweth the interval of the true Opposition, and greatest Obscuration. *C* is the place of the *Moon* at the end of the Eclipse, leaving the Shadow at *n*, then having her North Latitude equal to *C E* 38 minutes, 10 seconds; The minutes of Incidence (being the space that the *Moon* passeth from the beginning to the middle of the Eclipse) are 41 min. 30 seconds, equal to the Line *B, o*, being half the Line *C B*. And the time the *Moon* is passing that Space, or those minutes Incidence, is 1 hour, 23 minutes, 11 seconds, which is the time of Incidence, the double whereof being 2 hours, 46 minutes, 22 seconds, is the total duration of the Eclipse.

The Fourth and last Eclipse is of the *Sun* the 26th day of November, about 7 of the Clock in the morning, and therefore invisible unto us, the *Sun* being then not Risen, but it will appear great about the *Red Sea*, in *Arabia Felix*, the Straights of *Basora*, *Sinus Persicus*, in *Persia*, in the Sea called *Mare Arabicum*, the Island of *Ceylon*, also in part of the *East-Indies*, &c. it may be observed.

As to the Effects of Eclipses, Authours say, That an Eclipse of the *Sun* in 10 mediis & gradibus, *Camelorum*, *rudentumq;* *Jumentorum*, ac *ceterorum ejus generis*, *veterinorum Animalium* interitum. And that an Eclipse of the *Sun* in 10 ultimis Gradibus, *II Regis obitum*, & *Platus Publici detrimenta varie*, *civiliumq;* *negotiorum irritos eventus*; But these Eclipses not being visible unto us, they do the less concern us; the Places chiefly concerned are very remote: As to the Eclipses of the *Moon*, 'tis said that an Eclipse of the *Moon* in & 10 primis gradibus, *Latrocinia* & *rapinas immittit*. And that an Eclipse of the *Moon*, in & 10 ultimis gradibus, in *Serpentes* & *reptilia* *Serit*.

Thus much of ECLIPSES.

## SAUNDER. 1695.

*Of the Four Quarters of the Year, and first of the Spring.*

**T**He Spring Quarter begins *March* 10th. at 6 of the Clock, and 42 minutes in the Morning, the Earth then entring *Libra*, or the Sun *Aries* maketh equal Day and Night to all, (except under the Poles). Now as the days and nights are of equal length, so is there an equality in the temper of the Air; whereby the pores of the Earth are relaxed, and a vivifying fume evaporating, ascendeth, by the cold and chillified Roots of Herbs and Plants, and produceth their vegetable life. This Quarter generally is hot and moist, and if it prove otherwise, it bringeth diseases and dangerous distempers. Such persons as are naturally Melancholly, do enjoy their Healths the best this Quarter, the Sanguine the contrary. Such diseases as proceed from excess and putrefaction of Blood are most dangerous; but such as have their original from Melancholly are less hurtful. In *March* be not too busie in purging or bleeding, but rather bathe, and use such Meats or Medicines, as purge and sweeten the Blood. In *April* you may freely bleed, bathe or purge, if there be occasion; but drink moderately now, and forbear salt Meats. In *May* you may purge gently the blood or body, or open a Vein: Now to drink clarified Whey is good, but forbear Wine, and such Meats as are of a hot quality.

*Of Summer.*

**T**His Quarter begins the 11th day of *June*, at 9 hours, 24 minutes, 35 seconds in the Morning, the Sun then entring the Tropical Sign *Cancer*, maketh the longest day and shortest night to all on this side the Equator. This Quarter naturally is hot and dry; Persons of Phlegmatick Constitutions are now best in health, and the Cholerick the contrary. Antient people do now revive, but young people languish through excess of Blood, and are thereby much exposed to Feavers, especially the Tertian. In the Month of *June* abstain from such Meats as ingender raw, crude and moist humours. It is now excellent good to rise early, and to exercise the Body with moderate walking. In *July* beware of bleeding or purging, unless there be great necessity; beware also of eating such Meats as ingender Melancholly, and of taking cold. In this and the next Month refrain immoderate exercise and Venery; and drink not much Wine; for now it dries the Stomach and Liver, and doth too much increase Choler.

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*Of Autumn.*

**T**His Quarter begins the 13th day of *September*, 30 minutes, 32 seconds, before One of the Clock in the morning, the Earth then entring *Aries*, or the Sun *Libra*, again making equal day and night. This Quarter is naturally cold and dry resembling *Melancholly*; Youth is now lively, but Aged People languish; persons of moist and phlegmatick constitutions are now best in health, the *Melancholly* the contrary. In *September* eat moderately of all such Meats and Fruits as your Stomach desires, for they are now in their vigour and perfection. In this Month, or the next, you may bleed or purge, if there be occasion; but in *November* *Melancholly* increaseth, and blood decreaseth: bathing now is not good; salt or powdered Meats may now be eaten without prejudice. Roasted Meats and wild Fowl are now held to be very wholesome. In this Quarter, and the next, beware of taking cold.

*Of Winter.*

**W**inter Quarter this Year begins the 11th day of *December*, 42 minutes, 51 seconds after Noon, the Sun then entring *Capricorn*, maketh our shortest day and longest night. This Quarter naturally is cold and moist, young and cholerick people are now best in Health, but aged and phlegmatick the contrary. In *December* *Melancholly* and *Phlegm* do much increase; it therefore behoves all persons that value their Healths, to keep themselves well from cold, and to eat such Meats as be of a hot quality. 'Tis not now good to bleed or purge, unless there be great occasion; to drink Wine now and then, and to use good Spices in your Diet is very good; the same observe in *January*. In *February* all Meats of a moist nature are accounted hurtful; you may take Pills to purge the head, also bathe or take potions, and bleed now if there be occasion.

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*To find the Rising, Southing and Setting, of several fixed Stars hereafter mentioned.*

**I**N the Tables following you have first the seven Stars Southing for every fifth day: in the second Table is set the difference betwixt the Southing of those Stars therein named, and the seven Stars, which being added to the time of the seven Stars Southing,



# SAUNDER, 1695.

direct theirs. In the same Table is also set their semidiurnal Arches thereby to find the rising and setting of the said Stars. Suppose it is required to know what time the great Dog-star called *Syrus* will be South the 11th. of *February*? I then find the Seven Stars South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference annexed to the great Dog-Star, and it makes 8 ho. 12 min. being the time of its Southing the said 11th. of *February*. If to the Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives the time of its setting at 12 ho. 43 min. but if you substract the Semi-diurnal Arch from the Southing it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes, The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferior in light, and bigness are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter mentioned, Note, that the great Dog-star, Lions Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Aff*, which are small Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1694.

Moneths	Dayes of the Moneth.											
	I		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 12
February	5	A 49	5	29	5	10	4	51	4	32	4	14
March	4	A 03	3	41	3	23	3	4	2	46	2	28
April	2	A 71	1	48	1	30	1	11	0	52	0	32
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 8	9	47	9	26	9	6	8	45	8	25
July	8	M 5	7	45	7	24	7	4	6	45	6	25
August	6	M 3	5	45	5	26	5	8	4	49	4	31
September	4	M 10	3	52	3	34	3	17	3	0	2	41
October	2	M 22	2	3	1	44	1	25	1	5	0	46
November	0	M 22	0	2	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 49	9	26	9	4	8	41	8	20

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A Table shewing the difference in hours and minutes between the coming to fourth of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

Names of the Stars.	Diff. south.		semid. Arches		Names of the Stars.	Diff. south.		semid. Arches
	b.	m.				b.	m.	
Aldebaran B. eye	0	49	7	28	Lions heart, Basil.	6	23	7
2d. in Orions Girdle	1	51	5	54	Virgins Spike	9	40	5
Gr. Dog. Sirius	3	24		31	Arcturus	10	32	8
Castor 1st. head II	3	46	9	47	South ballance	11	54	40
Lit. Dog. Procyon	3	54	6	32	North ballance	11	31	5
Pollux, 2d. head II	3	57	9	4	Northern Crown	11	52	8
Northern Afl.	4	56	8	12	bright * Lyræ	14	57	sets not
Southern Afl.	4	58	7	49	bright * Vulturis	16	66	43

*Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.*

**F**OR the Mensuration of superficial or flat measures, such as Board, Glas, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parellelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

## I. How to measure a Square.

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter. See the Margin.

$$\begin{array}{r}
 66 \\
 66 \\
 \hline
 396 \\
 396 \\
 \hline
 4356 \\
 4356 \\
 144 \\
 \hline
 30 \text{ } (36 \\
 432 \\
 36
 \end{array}$$

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## II. To measure the Long-square or Parallelogram.

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

$$\begin{array}{r} 72 \\ 12 \\ \hline 144 \\ 72 \\ \hline 864 \end{array}$$

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

## III. To Measure a Long Superficies, which is broader at one end than at the other.

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplied by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies:

$$\begin{array}{r} 72 \\ 42 \\ \hline 144 \\ 288 \\ \hline 3024 \\ 144 \\ \hline 288 \quad (21) \\ 144 \end{array}$$

## IV. How to Measure Triangles.

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplied by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All Trapezias, or Figures with four unequal sides ; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

## VI. How to measure Circles, and parts of Circles.

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore

the

the Diameter being given to find the circumference, you must multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, suppose the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whose Diameter is 14.

*Having the Circumference to find the Diameter.*

Multiply the circumference given by 7, the product divide by 22. and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and  $\frac{2}{3}$  or  $\frac{1}{11}$  which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19  $\frac{2}{3}$  the half whereof is 9  $\frac{1}{3}$ , by which multiplying 30, the product will be 286  $\frac{4}{11}$  which is the superficial content of such a Circle; or,

By the Diameter to find the Area of the circle. First, square the Diameter, multiply the square by 11, and divide the product by 14, the Quotient is the superficial content of the circle.

Let the Diameter be as above 19  $\frac{1}{11}$  the square whereof is 364  $\frac{6}{11}$  this multiplied by 11 produceth 4009  $\frac{1}{11}$  which being divided by 14 the Quotient is 286  $\frac{4}{11}$  as above, being the superficial content of such a circle.

To measure the superficial content of half the circle, the quarter of a circle, or of any other section of a circle, more or less, having the semidiameter given.

Multiply half of the compass thereof by the semidiameter of the circle, so shall you have the content.

*Of the Mensuration of Solids.*

**A**S Plain or Superficial Measure consisteth of two dimensions, namely, length and breadth; so Solid measures consisteth of three dimensions, namely, length, breadth and thickness.

*To measure any kind of Timber, either Square, Triangular, Round, or of any other Fashion, provided it be straight and equal all along.*

Cast up the superficial Content at the end thereof, by the Rules before going, for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multiplied,

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plied by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other solid matter) whose breadth is 18 inches, its depth 13 inches, and length 142 inches, to find how many solid feet are contained therein. First, multiply the breadth 18 by the depth 13, the product is 234, being the superficial inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the solid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one solid foot) and the quotient will be 19, and 396 inches remaining, which is 19 solid feet, and almost one quarter of a foot, and so much is the solid content of such a piece.

A 2d Example of a round piece. Let there be a round piece of Timber whose compass is 60 inches, and the length 20 feet, (or 240 inches) and let it be required to find the solid content thereof. First, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, so shall you find the Diameter to be  $19\frac{1}{2}$ : Then by either of the ways before taught, viz. by multiplying  $\frac{1}{2}$  the circumference by  $\frac{1}{2}$  the Diameter; or by (squaring, or) multiplying the Diameter in it self, and multiplying that square by 11, and dividing the product by 14, the superficial content of the end of such a piece will be found to be  $286\frac{4}{11}$  inches. Now multiply this  $286\frac{4}{11}$  by the length of the piece 240, and the product will be  $68727\frac{4}{11}$  the content in inches, which being divided by 1728, the quotient will be 39 feet, and  $\frac{3}{4}$  of a foot, and  $39\frac{3}{4}$  inch remaining, which is the solid content of such a piece of Timber. But had this piece of Timber been measured by that egregiously false way of taking  $\frac{1}{4}$  part of the Girt for the side of the square equal, it would have been found to be but 31 feet and  $\frac{1}{2}$  of a foot, which is above  $\frac{1}{2}$  part less than the truth, it being 39 feet, & above  $\frac{3}{4}$ .

In behalf of that erroneous way many do plead, that in round Timber there is great loss in chipping to bring it near a square, therefore that way may be allowed; but this is very unequal: in great Timber there being little loss, in small Timber much, let therefore the quality be considered, rather than make such unequal amends by a false quantity.

*Of the Mensuration of Tapering Timber, either round or squared, such as Frustrums of Cones and Pyramids.*

**F**irst find the superficial Area of each end of the piece, and multiplie the one Area by the other. Secondly, out of the

the product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter 10 $\frac{1}{2}$ ) will be found to be 346 $\frac{1}{2}$ , and the Area of the Circle at the lesser end will be 154 : These multiplied together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplied in it self produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be 731 $\frac{1}{2}$ . Lastly, multiply 731 $\frac{1}{2}$  by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

*To find the Content of Tapering Timber, other ways than is taught above.*

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being subtracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, as the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whose greater end is 66 inches about, and the lesser end 44; hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give; Answer, 60 feet, being the whole length of the Cone; now the superficial

content

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content of the Base of this Cone, (being  $346\frac{1}{2}$  inches) multiplied by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154, being multiplied by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along : Their use is thus, seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth columns of the Tables, and against it, in the next column you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches, and 3 tenth parts of an Inch : And the compass of a round piece, being 80 inches the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

▲ Table, shewing how much in length will make a Solid foot, of any Square Stone or Timber : The side of the Square being given in inches, from one inch to 26 inches square.

Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.
Inch.	Inc. 10ths	Inch.	Inc. 10th.	Inch.	Inc. 10th.
1	144 0 0	13	10 2	25	2 8
2	36 0 0	14	8 8	26	2 6
3	16 0 0	15	7 6	27	2 3
4	9 0 0	16	6 7	28	2 2
5	5 9 2	17	5 9	29	2 1
6	4 0 0	18	5 3	30	1 9
7	2 11 2	19	4 8	31	1 8
8	2 3 0	20	4 3	32	1 7
9	1 9 3	21	3 9	33	1 6
10	1 5 3	22	3 5	34	1 5
11	1 2 3	23	3 3	35	1 4
12	1 0 0	24	3 0	26	1 3

▲ Table



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A Table shewing how many inches in length will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compass to 100.

Com. len. of a foot			Com. len. of a foot			Com. len. of a foot		
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	76
17	75	14	47	9	83	77	3	66
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	42	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	74
30	24	13	60	6	03	90	2	68
31	22	60	61	5	84	91	2	62
32	21	21	62	5	65	92	2	57
33	19	92	63	5	47	93	2	51
34	18	78	64	5	30	94	2	46
35	17	74	65	5	14	95	2	41
36	16	76	66	4	98	96	2	36
37	15	86	67	4	84	97	2	31
38	15	04	68	4	70	98	2	26
39	14	28	69	4	56	99	2	22
40	13	57	70	4	43	100	2	17

## Advertisements.

**T**hat most noble and incomparable Medicine, known by the name of Clarks Compound Spirit of Scurvy-Grass, both Golden and Plain; and are of themselves so excellent and infallible a Remedy against the Scurvy, Dropsie, and all cold Distempers of the Stomach; are rightly prepared by Mrs. Mary Clark, the Widow of Mr. Henry Clark, deceased, and sold at his late dwelling House at the Sign of the Lamb near Somerset-House in the Strand; and all the chief Towns in the Three Kingdoms, and most part of the Habitable World. Price One Shilling the Bottle.

**T**HE Collection for improvement of Husbandry and Trade, by John Houghton, F. R. S. is now published Weekly, and sold at a Penny each, By Randal Taylor, near Stationers-Hall, and most of the Book-sellers in England; Where also may be had the two Quarto Volumes finished in 1683. The Sixpenny sheet of Acres, Houses, Tax, &c. The First and Second Vlio Volumes, and the subsequent sheets.

**T**HE Author of this Almanack being lately Removed from Ouston in the County of Leicesters, to Leesthorp near Melton Mowbray in the said County, hath thought fit to give Notice, That

**I**F any Gentleman or other Person would have his Land surveyed, or any Building or Edifice measured, either for Bricklayers, Carpenters, Masons, Plaisterers, &c. The Author of this Almanack will perform the same, either for Master or Workmen: And if any Person would have about his House or Garden, any Sun-Dyals; either Direct, Declining, Inclining, Recliniv, Concave, Convex or Reflective. He will make or repare for them such as they shall desire.

From Leesthorp near Melton Mowbray

in the County of Leicesters. Sept. 22. 1694.

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